Patent
Attorney's Docket No. 032559-101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	)	
	)	
Lars THYLÉN et al.	)	Group Art Unit: Unassigned
	)	
Application No.: Unassigned	)	Examiner: Unassigned
	)	
Filed: February 12, 2002	)	
	)	
For: A/D Conversion Method and Apparatus	)	

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Before examination, please amend this application as follows

IN THE ABSTRACT

Please replace the **ABSTRACT** with the following Abstract attached as a separate sheet:

Abstract

An opto-electronic A/D converter includes a tunable laser for wavelength modulating a narrowband coherent electromagnetic beam by the amplitude of the analog signal. A grating transforms the wavelength modulated beam into a corresponding angularly modulated beam. A set of kinoforms diffract the angularly modulated beam into a bundle of diffracted beams. Detectors determine the digital signal by repeatedly sampling the spatial power distribution of the diffracted beams.

Application Filing Date: February 12, 2002

REMARKS

The Abstract has been amended to place the application in better form for examination. Favorable consideration is respectfully solicited.

Respectfully submitted,

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Attachment to Preliminary Amendment dated February 12, 2002

Marked Up Copy of Amendments to the Abstract

An opto-electronic A/D converter includes a tunable laser [(10)] for wavelength modulating a narrowband coherent electromagnetic beam by the amplitude of the analog signal. A grating [(12)] transforms the wavelength modulated beam into a corresponding angularly modulated beam. A set of kinoforms [(14)] diffract the angularly modulated beam into a bundle of diffracted beams. Detectors [(18, 20)] determine the digital signal by repeatedly sampling the spatial power distribution of the diffracted beams.